

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

EXPRESS MAIL LABEL NO.: EV 570 956 777 US

April 15, 2005

10/531645

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER: Komatsu Case 312

U.S. APPLICATION NO.

Confirmation No.: Unknown

(If known, see 37 CFR 1.5): Unknown

INTERNATIONAL APPLICATION NO.: PCT/JP2003/013044

INTERNATIONAL FILING DATE: October 10, 2003

PRIORITY DATE CLAIMED: December 18, 2002

TITLE OF INVENTION: COPPER ELECTROLYTIC SOLUTION AND  
ELECTROLYTIC COPPER FOIL PRODUCED THEREWITH

APPLICANTS FOR DO/EO/US: (1) Masashi KUMAGAI and (2) Mikio HANAFUSA

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not transmitted by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
  - Formal Drawing (1 sheet)
  - Amendment Before First Office Action
  - Title Page of WIPO Document WO 2004/055246 A1
  - Form PCT/IB/301 – Notification of Receipt of Record Copy
  - Form PCT/IB/304 – Notification Concerning Submission or Transmittal of Priority Document
  - Form PCT/IB/308 – Notice Informing Applicant of Communication of International Application to Designated Offices
  - Form PCT/IB/332 – Information Concerning Elected Offices Notified of Their Election
  - Form PCT/IB/346 – Notification Concerning Filing of Amendments of the Claims (Article 19)
  - Postal Card

U.S. APPLICATION NO.  
(if known, see 37 CFR 1.5):  
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21. [X] The following fees are submitted:

Calculations PTO USE ONLY

BASIC NATIONAL STAGE FEE: \$ 300.00  
NATIONAL STAGE SEARCH FEE: \$ 500.00  
NATIONAL STAGE EXAMINATION FEE: \$ 200.00  
NATIONAL STAGE APPLICATION SIZE FEE: \$  
NATIONAL STAGE FEES = \$1,000.00

Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

\$

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	6 - 20 =	0	X \$ 50.00
Ind. claims	1 - 3 =	0	X \$200.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00
TOTAL OF ABOVE CALCULATIONS			= \$1,000.00

[ ] Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

SUBTOTAL

\$

Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).

TOTAL NATIONAL FEE

+ \$  
= \$1,000.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property

TOTAL FEES ENCLOSED

+ \$  
= \$1,000.00

Amount to be refunded: \$  
charged: \$

- a. [X] A check in the amount of \$1,000.00 to cover the above fees is enclosed.  
b. [ ] Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.  
c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1382. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

IN DUPLICATE

PLEASE DIRECT CORRESPONDENCE TO THE ADDRESS  
ASSOCIATED WITH THE FOLLOWING CUSTOMER  
NUMBER: 23474

Terryence F. Chapman  
Registration Number: 32 549  
TFC/smd

FLYNN, THIEL, BOUTELL & TANIS, P.C.  
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PATENT APPLICATION

JC13 Rec'd PCT/PTO 15 APR 2005

Express Mail Label No.: EV 570 956 777 US

Date of Mailing: April 15, 2005

Applicants : Masashi KUMAGAI et al  
For : COPPER ELECTROLYTIC SOLUTION AND  
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PCT International Application No.: PCT/JP2003/013044

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Atty. Docket No.: Komatsu Case 312

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**EXPRESS MAILING CERTIFICATE**

Sir:

I hereby certify that the attached paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FLYNN, THIEL, BOUTELL & TANIS, P.C.

By: 

Date: April 15, 2005

Documents attached: Nationalized PCT Application  
Transmittal dated April 15, 2005  
including enclosures listed thereon

Telephone: (269) 381-1156

391.05/03